ABSTRACT OF THE DISCLOSURE

A node for use in a multi-node computer system includes: a plurality of active devices; an interface configured to send and receive coherency messages on an inter-node network coupling nodes in the multi-node computer system; an address network configured to communicate address packets between the active devices and the interface; and a data network configured to communicate data packets between the active devices and the interface. The active device includes a promise array configured to store a promise identifying a data packet to be conveyed to a device in response to a pending local transaction involving a coherency unit for which the active device has an ownership responsibility. The active device is configured to store promises in the promise array in response to receiving address packets from other ones of the plurality of active devices and from the interface.